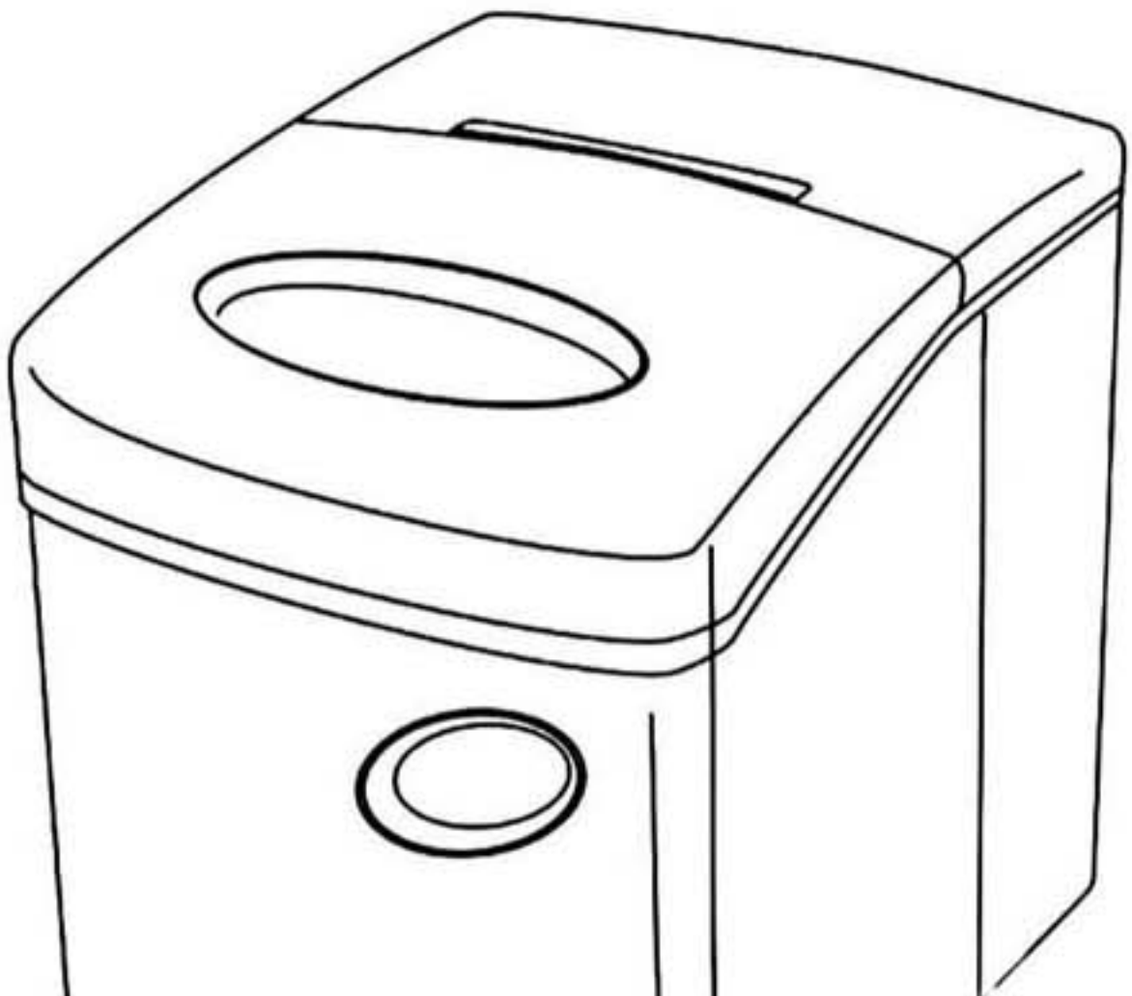
NewAir

PLEASE READ BEFORE USE AND SAVE

AI-100 Series
Portable Ice Maker

Owner's Manual



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SECTION 1 IMPORTANT SAFETY INSTRUCTIONS

1.1 IMPORTANT SAFETY INSTRUCTIONS

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance.
Always read and obey all safety messages.

This is the safety alert symbol.

All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING".
These words mean:

DANGER

WARNING

You can be killed or seriously injured if you don't <u>immediately</u> follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

SECTION 2 PREPARING YOUR ICE MAKER FOR USE

2.1 IMPORTANT SAFETY TIPS

When using electrical appliances, basic safety precautions should be followed to reduce the risk of fire, electric shock and injury to persons or damage to properties.

Read all the instructions before using any appliances.

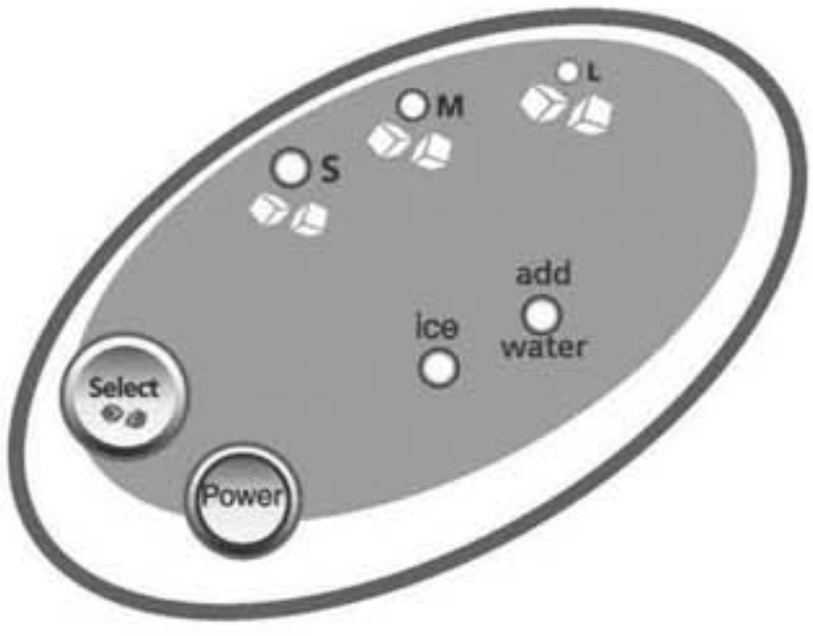
- Do not operate this Ice Maker if it has a damaged cord.
- No other appliance should be plugged into the same outlet. Be sure that the plug is fully inserted into the receptacle.
- Do not place hands or objects on or near evaporator when ice maker is functioning
- Do not let the power cord cross over carpeting or other heat insulators. Do not cover the cord.
- Keep the cord away from high traffic areas.
- Do not submerge the cord into water.
- Turn off and unplug the Ice Maker before servicing.
- Take caution and USE supervision when the unit is working near children.
- If the Ice Maker is brought in from outside in wintertime, do not use for a few hours, allowing the unit to warm up to the room temperature before operating.
- Do not clean your Ice Maker with any flammable fluids. The fumes may create fire or an explosion.
- Before cleaning or other servicing to your Ice Maker, turn off and unplug the unit.

SECTION 3 GETTING TO KNOW YOUR ICE MAKER

3.1 KNOWING YOUR ICE MAKER

The diagram below shows you the basic parts of your Ice Maker.

3.2 THE CONTROL PANEL



Button	Function
Power	Turns on or tums off the unit
Select	Selects ice size
S	Indicates small size of ice is selected
M	Indioates medium size of ice is selected
L	Indicates large size of ice is selected
Ice	Indicates ice is full in the ice basket
add/water	Indicates water reservoir is empty

SECTION 4 GETTING YOUR ICE MAKER READY FOR USE

4.1 UNPACKING YOUR ICE MAKER

1. Remove the Ice Maker out of the box. Throw away all plastic bags. Do not throw the box away. Keep it at a proper place. You may need it for future storage.
2. Check the parts. There should be total 3 main parts in the package: Ice Maker, ice basket and ice scoop.
3. Remove all the tape in the unit.
4. Use lukewarm water and soft cloth to clean the interior of the Ice Maker, the ice basket and the ice scoop.
5. Place your Ice Maker away from direct sunlight and other source of heat such as a stove, furnace and/or radiator.

4.2 ELECTRICAL SHOCK HAZARDS

⚠ WARNING

Electrical Shock Hazard

Plug into a grounded outlet.
Do not use an extension cord.
Failure to follow these instructions can result in death, fire, or electrical shock.

This appliance requires a standard 115V, 60Hz electrical outlet.

Check with a qualified electrician if you are not sure if the Ice Maker is grounded.

Note: Improper use of the grounded plug can result in the risk of electrical shock.
Do not use damaged power cord.

SECTION 5 OPERATING YOUR ICE MAKER

5.1 TO OPERATE YOUR ICE MAKER

1. Select the size of the ice cube by pressing the “Select” button. If the room temperature is lower than 60, it is recommended to select the small or medium ice sign button in order to avoid ice sticking together.
2. Open the cover, remove the ice basket and pour water into tank.
   Keep water level below the level mark.
3. Press “Power” button on the control panel to begin the ice making cycle.
4. The ice making cycle lasts 6 to 15 minutes, depending on the size of the ice cube selection and the ambient temperature. In the extreme hot room temperature, ice-making time maybe vary a lot.
5. While the icemaker is on, verify water level periodically. If water pump can’t inject water, the ice maker will stop automatically, and the “Add Water” indicator will be on.
   Press “Power” button, fill water up to the level mark and press “Power” button again to turn on the unit again. Allow the refrigerant liquid inside the compressor at least 3 minutes to settle before restarting.
6. The ice maker automatically stops working when the ice basket is full and the “Ice” indicator will be on.
7. Change water in the water reservoir every 24 hours to ensure a reasonable hygiene level.
   If unit isn’t in use, drain all water left in the tank.

5.2 CLEANING AND MAINTAINING YOUR ICE MAKER

Before using your ice maker, it is strongly recommended to clean it thoroughly.

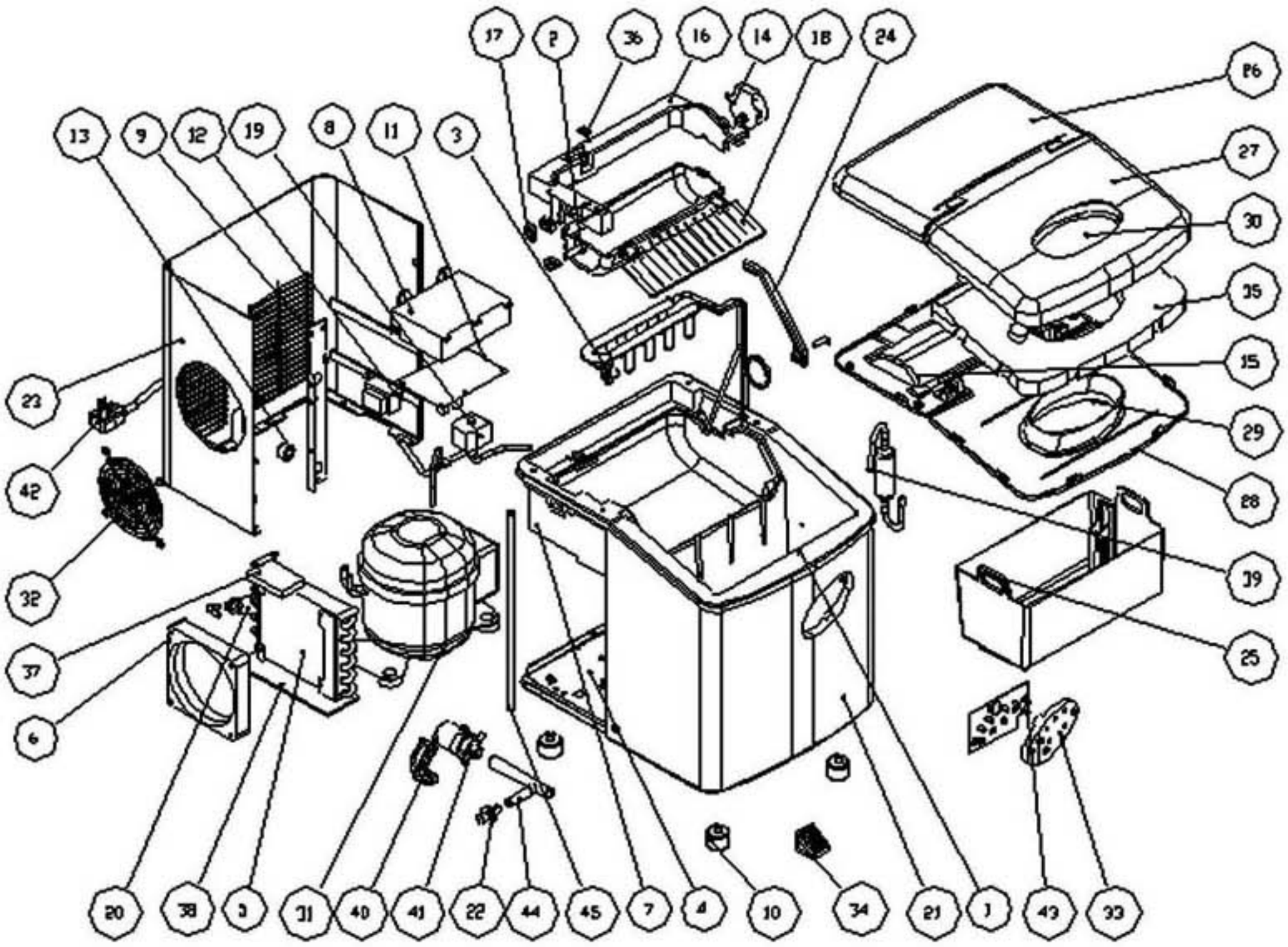
1. Take out the ice basket.
2. Clean the interior with diluted detergent, warm water and a soft cloth.
3. Then use the water to rinse the inside parts, and drain out the water by unplugging the drain cap on the side.
4. The outside of the ice maker should be cleaned regularly with a mild detergent solution and warm water.
5. Dry the interior and exterior with a soft cloth.
6. When the machine is not in use for a long time, open water drained cap to drain water completely from water reservoir.

SECTION 6 TROUBLESHOOTING

6.1 PROBLEMS, POSSIBLE CAUSES AND SOLUTIONS

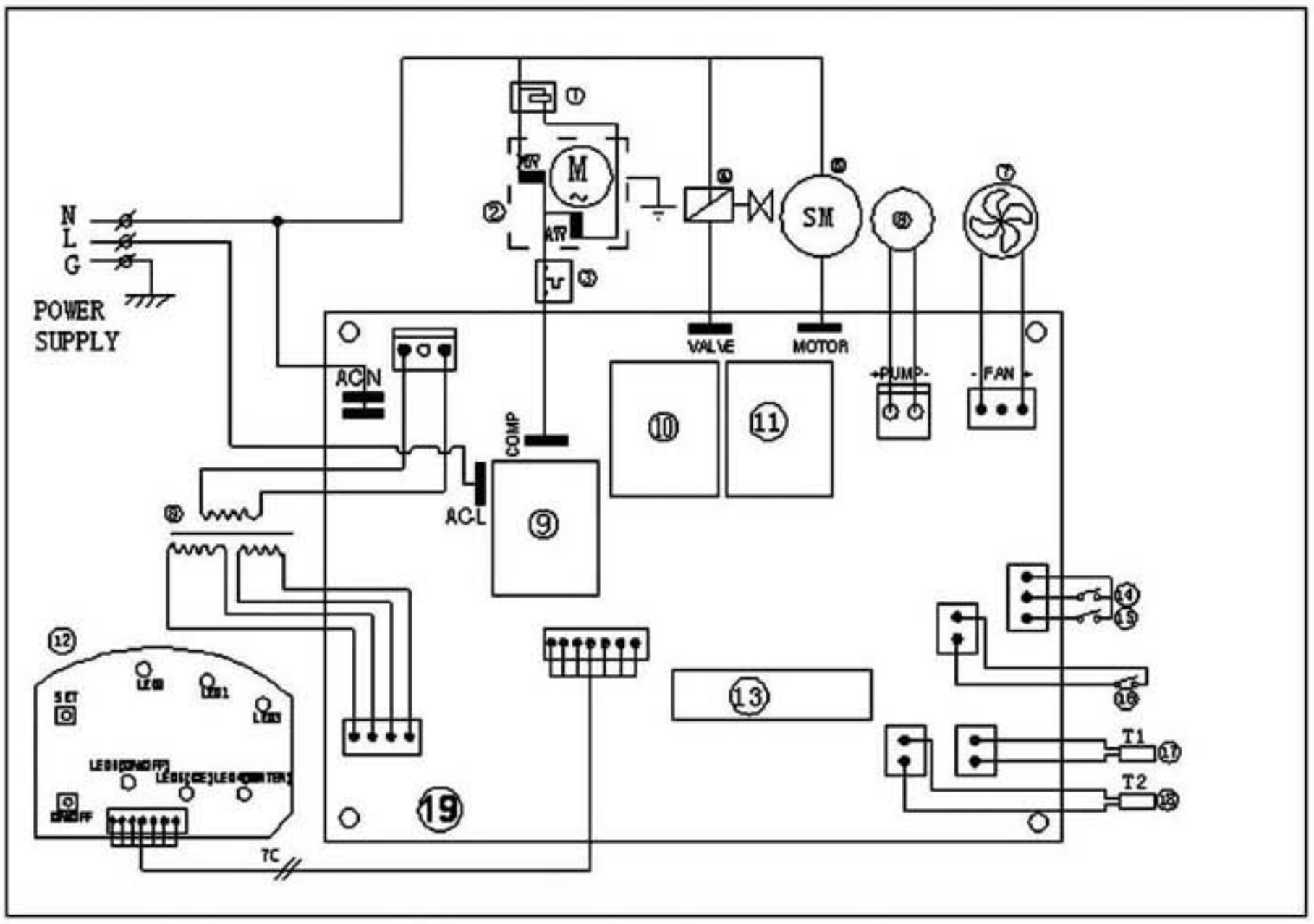
If...	Then...
"Add/water" LED light is on.	Lack of water. Press "power" button to stop the unit. Fill up water then restart the unit. If there is sufficient water, try cleaning the filter.
"Ice" LED light is on.	The ice basket is full. Gently remove ice from the ice basket.
"Add/water" LED light and "Ice" LED light are both flashing.	Ensure that ice tray is in correct position. Basket may be full. Remove ice as it may be blocking sensor.
Ice-making cycle is normal but no ice is made.	Refrigerant liquid has leakage or pipe is the cooling system is blocked. Verify by a qualified technician.
Ice cubes are too small	The ambient temperature or the water temperature is too high. Select large size of ice by pressing "select" button.

SECTION 7 PARTS BREAKDOWN DIAGRAM



1	Inner tank	16	Inner tank fixing piece	31	Compressor
2	Ice-making box	17	Micro switch	32	Steel grill
3	Evaporator assembly	18	Ice shovel	33	Operation panel frame
4	Bottom base	19	Electromagnet valve assembly	34	Water filter
5	Condenser	20	Refrigerant dry filter	35	Insulation foam for cover
6	DC12V/Fan blade	21	Front panel	36	Water detecting piece
7	Rear protection board	22	Water draining assembly	37	Up sponge for condenser
8	Electrical box	23	Rear panel	38	Down sponge for condenser
9	Rear strengthing board	24	Support for sensor	39	Suction pipe for compressor
10	Rubber feet with bolts	25	Ice basket	40	Fixing set for water pump
11	Main control PWB	26	Back up cover	41	DC12V/Water pump
12	Transformer	27	Front up cover	42	Power supply cords
13	Power cord clipper	28	Front down cover	43	Button PWB
14	Synchronous motor	29	Down window	44	Silicon pipe for supplying water
15	Back down cover	30	Up window	45	Silicon pipe for ice-making box

SECTION 8 ELECTRICAL DIAGRAM



1	PTC Starter	10	Relay
2	Compressor	11	Relay
3	Overload protector	12	Operation PCB
4	Electromagnetic Valve	13	MCU
5	Synchronous Motor	14	Microswitch No.1
6	DC water pump	15	Microswitch No.2
7	DC fan	16	Water Detecting Element
8	Transformer	17	Sensor for controlling fan motor
9	Relay	18	Sensor for ice full detecting
		19	Main Control PCB